

SOLAR RADIO NOISE STORM AT 150.9 MHZ
FROM NANÇAY RADIOHELIOGRAPH

APRIL 2012

DAY	HELIOGRAPHICS POSITIONS MEAN VALUES ¹		IMP ²	OBSERVING TIME ³	
	E-W	S-N		START(UT)	END(UT)
04/04/12	+0.18	+0.52	I	13H42	15H10 D
07/04/12	+0.95	+0.08	I	08H24 E	15H00 D
07/04/12	+1.08	+0.49	I	11H02	15H00 D
09/04/12	+1.24	+0.21	I	12H28 E	15H10
11/04/12	-0.32	+0.24	I	12H41	15H22 D
12/04/12	+0.03	+0.25	I	08H21 E	14H30
13/04/12	+0.30	+0.13	I	08H23 E	15H21 D
15/04/12	+0.76	+0.03	I	08H36 E	14H35
16/04/12	-1.11	-0.52	I	08H31 E	15H20 D
17/04/12	-0.99	-0.54	I	08H21 E	15H20 D
17/04/12	-0.80	-0.21	I	08H21 E	15H20 D
18/04/12	-0.71	-0.48	III	08H37 E	15H20 D
19/04/12	+0.43	-0.67	I	08H21 E	15H20 D
20/04/12	-0.82	-0.84	I	08H21 E	15H20 D
20/04/12	+0.11	-0.22	I	08H21 E	15H20 D
21/04/12	+0.52	+0.35	III	08H20 E	15H19 D
22/04/12	+0.73	+0.27	III	10H31	15H19 D
22/04/12	+1.25	-0.48	III	08H20 E	15H19 D
23/04/12	+0.83	-0.16	I	11H42	15H19 D
23/04/12	+1.14	-0.93	I	08H21 E	15H19 D
23/04/12	+1.42	-0.54	I	08H21 E	15H19 D
24/04/12	+1.01	-0.23	I	08H29 E	15H19 D

¹ POSITIVE E-W AND S-N COORDINATES CORRESPOND TO THE N-W QUADRANT

² IMP1: FLUX< 5 SFU IMP2: 5< FLUX < 20 SFU IMP3: 20< FLUX <100 SFU
IMP4: 100< FLUX <300 SFU IMP5> 300 SFU

³ E NOISE STORM IN PROGRESS AT THE BEGINNING OF THE NANÇAY OBSERVATIONS
D NOISE STORM IN PROGRESS AT THE END OF THE NANÇAY OBSERVATIONS

24/04/12	+1.13	+0.36	II	08H29 E	15H19 D
25/04/12	+1.19	+0.25	I	08H20 E	15H19 D
25/04/12	+1.23	-0.26	I	08H20 E	15H19 D
26/04/12	+0.88	-1.19	I	08H19 E	14H02
27/04/12	-1.32	-0.55	I	08H19 E	15H18 D
28/04/12	-1.30	-0.54	I	08H19 E	15H18 D
29/04/12	-0.66	-0.60	I	11H04	15H18 D
30/04/12	-0.33	-0.43	I	08H19 E	12H39
30/04/12	-1.26	-0.43	I	08H19 E	14H02

**SOLAR RADIO NOISE STORM AT 327 MHZ
FROM NANÇAY RADIOHELIOGRAPH**

APRIL 2012

DAY	HELIOGRAPHICS POSITIONS MEAN VALUES ¹		IMP ²	OBSERVING TIME ³	
	E-W	S-N		START(UT)	END(UT)
02/04/12	+0.90	+0.24	I	08H24 E	15H24 D
05/04/12	+0.58	+0.30	I	09H11 E	15H24 D
06/04/12	+0.84	+0.26	I	08H24 E	15H23 D
07/04/12	+0.94	+0.11	I	08H24 E	15H00 D
07/04/12	+1.02	+0.36	I	10H19	15H00 D
08/04/12	+1.08	+0.02	I	08H23 E	15H22 D
09/04/12	+1.22	+0.43	I	12H28 E	13H34
11/04/12	-0.21	+0.27	I	12H29	15H22 E
12/04/12	+0.04	+0.23	I	08H21 E	15H22 D
13/04/12	+0.32	+0.15	I	08H23 E	15H21 D
14/04/12	+0.62	+0.23	I	12H30	15H21 D
15/04/12	+0.78	+0.02	I	08H36 E	15H21 D
16/04/12	-1.05	-0.40	I	08H31 E	15H20 D
17/04/12	-0.88	-0.43	I	08H21 E	15H20 D

17/04/12	-0.82	-0.21	I	08H21 E	15H20 D
18/04/12	-0.74	-0.38	I	08H37 E	15H20 D
18/04/12	-0.39	+0.36	I	08H37 E	15H20 D
18/04/12	+0.55	-0.41	III	08H37 E	15H20 D
19/04/12	-0.52	-0.34	I	08H21 E	15H20 D
19/04/12	-0.25	-0.20	I	08H21 E	15H20 D
19/04/12	-0.19	+0.32	I	08H21 E	15H20 D
20/04/12	-0.81	-0.31	I	08H21 E	15H20 D
20/04/12	+0.03	-0.20	I	08H21 E	15H20 D
20/04/12	+0.11	+0.42	II	08H21 E	15H20 D
20/04/12	+0.75	-0.32	I	08H21 E	15H20 D
21/04/12	-0.61	-0.18	I	08H20 E	15H19 D
21/04/12	+0.48	+0.35	II	08H20 E	15H19 D
21/04/12	+0.19	-0.16	I	08H20 E	15H19 D
21/04/12	+0.90	-0.35	I	08H20 E	15H19 D
22/04/12	-0.44	-0.12	I	08H20 E	15H19 D
22/04/12	+0.66	+0.36	II	08H20 E	15H19 D
22/04/12	+0.73	+0.18	II	08H20 E	15H19 D
22/04/12	+1.06	-0.52	III	08H20 E	15H19 D
23/04/12	+0.71	-0.21	I	08H21 E	15H19 D
23/04/12	+0.86	+0.43	I	08H21 E	15H19 D
23/04/12	+0.93	-0.67	I	08H21 E	15H19 D
23/04/12	+1.07	-0.44	I	08H21 E	15H19 D
24/04/12	+0.90	-0.20	II	08H29 E	15H19 D
24/04/12	+1.02	+0.28	I	08H29 E	15H19 D
25/04/12	+0.18	+0.26	I	08H20 E	15H19 D
25/04/12	+1.06	-0.23	I	08H20 E	15H19 D
25/04/12	+1.11	+0.28	I	08H20 E	15H19 D
26/04/12	+1.16	-0.27	I	08H19 E	15H18 D
27/04/12	+0.65	+0.17	I	08H19 E	12H55
28/04/12	+0.84	+0.26	I	12H33	15H18 D
29/04/12	-0.68	-0.67	I	08H19 E	15H18 D
29/04/12	+0.98	+0.42	I	08H19 E	15H18 D
30/04/12	-0.61	-0.46	I	08H19 E	15H18 D
30/04/12	-0.41	-0.49	I	08H19 E	15H18 D
30/04/12	+1.05	+0.48	I	08H19 E	15H18 D

OTHERS DAYS: NO DETECTABLE NOISE STORM

- For the days marked by an asterisk, intense ionospheric gravity waves are observed during the whole day. Without a mode detailed analysis leading to increase uncertainties in the deviation, the positions which are indicated are estimated within 0.2 R

** Following a large burst

*** importance not well determined due to the proximity off the very strong other source
**** no flux measurements available